BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2022-23/OW/WORK_INDENT53018

APPROVED SCHEDULE - B

No. E/BTP/BBMP/E-PMT/13/2022-23, Date: 23-08-2022

Name of Work: Construction of tank and providing pump set for de-watering in flood areas in Ward no. 05, Jakkur, Byatarayanapura Sub Division

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of Chethan. P	
				In Figures	In Words
1	1098.10	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m	Cum	213.5	Rupees Two Hundred Thirteen and Fifty Paise Only
2	9.00	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.	Cum	2812.0	Rupees Two Thousand Eight Hundred Twelve Only
3	86.70	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.	Cum	6105.0	Rupees Six Thousand One Hundred Five Only
4	73.84	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	1315.0	Rupees One Thousand Three Hundred Fifteen Only
5	36.04	Providing Flush / Ruled/ Struck or weathered pointing Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineerin- charge	Sqm	151.2	Rupees One Hundred Fifty One and Twenty Paise Only
6	6.21	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA).	Cum	7885.0	Rupees Seven Thousand Eight Hundred Eighty Five Only
7	9.98	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)	Cum	6882.0	Rupees Six Thousand Eight Hundred Eighty Two Only
8	745.47	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately).	Cum	105.0	Rupees One Hundred Five Only
9	0.60	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200	Cum	101234.0	Rupees One Hundred One Thousand Two Hundred Thirty Four Only
10	36.00	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)	Sqm	2068.0	Rupees Two Thousand Sixty Eight Only

Chethan. P

Signature of the Contractor

Executive Engineer

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Name of Work: Construction of tank and providing pump set for de-watering in flood areas in Ward no. 05, Jakkur, Byatarayanapura Sub Division

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of Chethan. P	
				In Figures	In Words
11	30.00	Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)	Sqm	5029.0	Rupees Five Thousand Twenty Nine Only
12	1098.10	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3)	Cum	81.0	Rupees Eighty One Only
13	1098.10	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km	KM	115.0	Rupees One Hundred Fifteen Only
14	1.00	Providing Lubi make 10 HP 3 Phase dewatering submersible pump with outlet 4"	No	106365.0	Rupees One Hundred Six Thousand Three Hundred Sixty Five Only
15	15.00	Providing 160 mm PVC pipe 6 kg/sqcm	Mtr	898.0	Rupees Eight Hundred Ninety Eight Only
16	5.00	Providing and fixing 160 mm PVC elbow	No	524.0	Rupees Five Hundred Twenty Four Only
17	3.00	Providing and fixing 160 mm PVC collar	No	369.0	Rupees Three Hundred Sixty Nine Only
18	2.00	Provding and fixing 160 mm PVC ball wall	No	4343.0	Rupees Four Thousand Three Hundred Forty Three Only
19	1.00	Providing and fixing MS gate of size 0.6x0.6 mtr	No	8986.0	Rupees Eight Thousand Nine Hundred Eighty Six Only
20	1.00	Providing MS cover with frame of size 0.9x0.9 mtr	No	7988.0	Rupees Seven Thousand Nine Hundred Eighty Eight Only
21	20.00	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm	Rmtr	149.0	Rupees One Hundred Forty Nine Only
22	20.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm.	Rmtr	11.0	Rupees Eleven Only
23	20.00	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2	Mtr	241.0	Rupees Two Hundred Forty One Only
24	1.00	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP	Each	8627.0	Rupees Eight Thousand Six Hundred Twenty Seven Only
25	########	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.	Sq.Cm	0.37	and Thirty Seven Paise Only
26	1.00	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work.	No	1388.0	Rupees One Thousand Three Hundred Eighty Eight Only
27	450.00	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead	Sqm	4.3	Rupees Four and Thirty Paise Only
28	45.00	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work	Cum	120.7	Rupees One Hundred Twenty and Seventy Paise Only

Chethan.P

Signature of the Contractor

Executive Engineer

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Name of Work: Construction of tank and providing pump set for de-watering in flood areas in Ward no. 05, Jakkur, Byatarayanapura Sub Division

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of Chethan. P	
				In Figures	In Words
29	67.50	Construction of Granular Sub-Base of required grading as per design spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per clause 401 B.Place Mix Method (v) For Grading -V Material	Cum	2457.0	Rupees Two Thousand Four Hundred Fifty Seven Only
30	112.50	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Cum	2633.0	Rupees Two Thousand Six Hundred Thirty Three Only
31	450.00	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.	Sqm	48.3	Rupees Forty Eight and Thirty Paise Only
32	1350.00	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.	Sqm	13.0	Rupees Thirteen Only
33	22.50	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects	Cum	10875.0	Rupees Ten Thousand Eight Hundred Seventy Five Only
34	36.00	Providing and laying Bituminous Concrete with not less than 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 4.78% Bitumen and waste plastic 8% of Bitumen of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects	Cum	11740.0	Rupees Eleven Thousand Seven Hundred Forty Only
35	3750.00	Providing and fixing Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Kg	118.5	Rupees One Hundred Eighteen and Fifty Paise Only

Chethan.P

Signature of the Contractor

Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92
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